**PLC AT WORK**



**Action Plan for Willard Mathematics**

**GOAL: Implement Algebra 1 *Mathematical Ideas Training* in order to improve student mastery**

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| **Action Steps** | **Responsible Team Members** | **Timeline** | **Resources Needed** | **Measurable**  **Indicators** |
| * **Complete HMI training for Algebra 1** * **Offer Algebra 1 enhancement class(es) in the winter and spring terms** * **Flip instruction during winter and spring terms by ~~creating~~ using video lessons from the Khan Academy during the fall and winter terms** * **Develop lessons within units 1-11 of Algebra 1 as well as common assessments** * **Use data in PLC work to determine student progress and additional needs** * **Use ~~the “pink slip”~~ behavior logs and the plan of improvement system at Willard to hold students accountable for completing school work in Algebra 1** * **Conduct peer observations and offer feedback about instruction** * **Explain math SBA to staff on February 13, 2014, to help prepare students for spring testing** * **Involve entire staff in implementing mathematical practices of the CCSS math standards; determine an order for monthly “points of emphasis” for teacher practice in all content areas of the eight mathematical practices of the CCSS math standards; implement a new point of emphasis each month** * **Develop a resource kit for non-math content area teachers to include problems for students to think about using the eight mathematical practices of the CCSS math standards** * **Develop a placement assessment of some kind (to replace MAP testing) to help determine both scheduling needs and placement of students in skill-appropriate math classes** * **Consider third-year math options at Willard; determine staffing needs** * **Evaluate the effectiveness of our implementation of Algebra 1 mathematical ideas training and determine how well we met the needs of students in Algebra 1** | **Michelle Beatty**  **Sarah Piper**  **Jane Bennett** | * **Ongoing during 2013-2014** * **November, 2013**   **March, 2014**   * **September-November 2013** * **September-November 2013** * **At the end of each trimester (November, March, June) as well as periodically throughout the year** * **Ongoing 2013-2014** * **Ongoing 2013-2014** * **February 2014** * **Ongoing 2013-2014** * **Ongoing 2013-2014** * **Ongoing 2013-2014** * **Ongoing 2013-2014** * **June 2014** | * **Additional 0.5 certified mathematics FTE** * **Mathematics paraprofessional** * **Sub pay to allow time for collaboration, data analysis, and development of common assessments, as well as other kinds of PLC work** * **Two digital video cameras and editing software** * **MAP data for Algebra 1 students** | **Improve student outcomes:**   * **Decrease failure rate in Algebra 1 from baseline established in 2012-2013** * **Increase MAP math scores from fall 2013 to spring 2014** * **Decrease the number of missing assignments (i.e. zeroes)** |